ABSTRACT OF THE DISCLOSURE

Embodiments of the present invention organize a collection of data frames which can be allocated to mobilestations into sets of contiguous groups of frames Each group of frames is mutually independent in time (i.e., each group of contiguous frames does not overlap, in time, with another group of contiguous frames). Each orthogonal group of frames is assigned to a BS (a single BS may be assigned more than one orthogonal group of frames). The BS may allocate its assigned orthogonal group of frames to a plurality of MSs thus forming a plurality of communications channels. In a further embodiment, a single BS, having been assigned more than one orthogonal group of frames, can assign each orthogonal group of frames to sectors (or sections) within a wireless cell.